COCKINGTON PRIMARY SCHOOL

How are humans and the ocean inextricably interconnected?

Our Key vocabulary

Sustainability	Avoidance of the depletion of natural resources in order to maintain an ecological balance.
Website	A location on the World Wide Web. A website contains a home page and other pages that are linked to the home page.
Browser	A computer program that locates and displays web pages for viewing.
Climate	The long-term pattern of weather in a particular area.
Pollution	He introduction of harmful materials into the environment.
Bio-diversity	the variety of life on Earth at all its levels, from genes to ecosystems.
Media	A way people share information, stories and ideas with others such as videos.
Conservation	The act of protecting Earth's natural resources for current and future generations.
Copyright	A rule that protects the work someone creates. It means other people can't copy or use that work without permission.
Marine reserves	Protected area of the ocean, in which removing or destroying natural or cultural resources is prohibited.

Big Idea: 1. Sustainability: It is everyone's responsibility to use the Earth and its resources in a way that is sustainable.

Our world needs our help to repair the damage we have done. We will use the Ocean Conservation Curriculum to discover how our Oceans are linked to each other and to humans.
You will learn that everyone from across the globe needs to work together to find a solution for the whole planet. You will use your ideas and skills of collaboration to find a solution for generations to come.

Collaboration: We will be working and learning together to achieve a common goal of conservation for our global community.

Perseverance: We will work through problems and recognise that any mistakes made are part of our learning journey.

Broadening our experiences:

Hook: We will take a trip to the National Marine Aquarium and take part in a Climate Conundrum workshop.

Showcase: We will present our learning to our peers, showcasing our computing skills and new-found knowledge of how humans and the ocean are interconnected.

In this Learning Enquiry, Year 6 will learn about the many uses of the ocean. They will explore how the ocean provides basic support for all life, including human life, how it is an important source of food, energy and minerals for humans and how unfortunately, humans impact the ocean in positive and negative ways.

Using a variety of resources, including a visit to the National Marine Aquarium, children will research and learn about the impact of seabed mining, the impact of pollutants to coral reefs in Australia and compare this to seagrass beds here in Torbay. They will problem solve and generate ideas of changes that we could make that would help to protect the ocean and ocean life.

Finally, through persuasive writing, and after a local trip to Torre Abbey Sands beach, Year 6 will write to MPs, business owners and residents in our local area with the aim to help improve the quality of our local ocean ecosystems and to raise awareness of the impact that our actions here have globally. We will also contact the International Seabed Authority with the aim to inform them of our concern for seabed mining.

Class text: There's a boy in the girl's bathroom

Recommended texts to share at home:

- Earth Heroes, Lily Du & Amy Blackwell
- The Boy in the Ocean, Max Lucado
- Dear Green Peace, Simon James
- What a waste, NSPCC
- Earth Remembers When, by Dawn Wynne
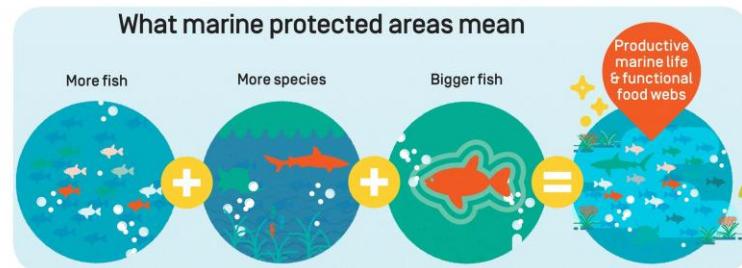
Geography Sticky Knowledge

Most of the oxygen humans breath comes from photosynthetic organisms that live in the ocean.

Laws create marine sanctuaries, reserves and marine protected areas that are intended to keep these ocean areas safe and healthy.

Ocean resources are finite and should be respected and cared for by people.

Putting chemical pollution into the ocean can poison fish and shellfish, and the people eating them.

Communication of accurate and timely information by collaborative teams enables the public to make informed decisions that promote sustainability of the ocean.

What marine protected areas mean

More fish   More species   Bigger fish   Productive marine life & functional food webs

Inside well-managed marine protected areas, there are more animals and plants, a greater diversity of species and bigger individuals. Together these mean more marine life, higher productivity, functional food webs and healthier ecosystems.

5 WAYS TO PROMOTE SUSTAINABILITY AT SEA
BY MARINTECH MARKETING

Improve Energy Efficiency
Improve boat's energy efficiency by using integrated technology and fuel-efficient systems

Practice Safe Anchorage
Improper anchorage distrubs marine speices

Prevent Introduction of Invasive Species
Ballast water and hull fouling can introduce invasive species

Responsible Fishing
Avoid bycatch and use sustainable fishing techniques

Prevent Marine Pollution
Carry biodegradable or reusable products
Do not discard single-use plastics

KEEP SEA PLASTIC-FREE

Computing Sticky Knowledge

A web page is written using HTML, which tells the browser what content to show, such as headings, paragraphs, images and links.

Websites are made of multiple linked web pages, and navigation helps users move between them easily.

Design choices matter, including layout, colours and fonts, because they affect how easy the website is to read and use.

Image and content must be used legally, following copyright rules or using permission-free resources.

Testing and improving a web page is important, so creators check that links work, text is clear, and the page looks good on screen.


```
<h1>Title</h1>
<p>Some text here.</p>
<img src="image.jpg">
```

HTML Code

Good Web Design

HOME

ABOUT   GALLERY

Linked Web Pages

COPYRIGHT

Use Legal Content

Big Ideas

1. Sustainability: It is everyone's responsibility to use the Earth and its resources in a way that is sustainable.

2. Global Citizens: Societies across the world are built on shared ideas and systems in which every citizen has their role to play.

3. Connecting to our locality: Our locality is a place of historical, cultural and geographical significance and this impacts our lives.

4. Talents and Interests: Each of us can develop a unique set of talents and interests to bring life-long contentment, joy and direction.

5. Active Citizenship: Everyone can use their voice, knowledge and skills for the good of others.

6. STEAM: Mastering the 4 C's of 21st century learning will unlock opportunities throughout our lives.

At Cockington Primary School we have agreed that Respect is:

Being kind, thoughtful and considerate of each other and of our surroundings; we understand and embrace the differences within our school community.

Respectful Ralph

Our School Values -Aspirations

At Cockington Primary School we have agreed that Aspiration is:
Working hard to meet our full potential. Working hard and striving to be the best we can be; we constantly challenge ourselves to achieve more that we ever thought possible.

Aspirational
Annie

Our School Values – Perseverance

At Cockington Primary School we have agreed that Perseverance is:
The willingness to keep trying even when things are difficult; We never give up and we see mistakes as steps towards our goals.

Persevering
Percy

Our School Values -Collaboration

At Cockington Primary School we have agreed that Collaboration is:
Working and learning together to achieve a common goal; recognising and celebrating individual strengths ands supporting each other.

Collaborative
Carmen

Our School Values –Creativity

<u>At Cockington Primary School we have agreed that Creativity is:</u>
When we are being imaginative, solving problems and thinking of ideas and possibilities; We take risks and use fresh thinking to overcome obstacles.

Our School Values -Independence

At Cockington Primary School we have agreed that Independence is:
Having the confidence to make our own decisions; recognising our own abilities, having a go and seeking support when needed.